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KOREAN LESPEDEZA

Korean lespedeza has proved itself well adapted to Missouri soils and seasons. During the past six years the Missouri College of Agriculture has studied the general usefulness of the legume in this State.

Korean, Kobe and Common Lespedeza

In recent years the Korean and the Kobe varieties of lespedeza have been introduced into Missouri. Common lespedeza, known also as Japan clover, has been native to the southern third of the State for many years, where in the Ozark section it furnishes the principal natural pasturage on open and non-cultivated land. The soil adaptations of the three varieties of lespedeza are apparently very similar. All appear to be tolerant to acid soils and will grow and reproduce on either fertile or poor land.

The three varieties differ, however, in the stage of maturity and the amount of growth developed during the season. In time required to mature the Korean is early, the Common is medium late, the Kobe extremely late. Korean will safely mature seed anywhere in Missouri. Common also will mature over a broad territory, but is much better adapted to the southern half of the State. Kobe will ripen regularly in the southern third. Korean is the mostly widely adapted variety when both yield and safe ripening of seed are considered.

Growth Habits of Korean Lespedeza

Korean lespedeza is an annual legume, coming each spring from the seed. Sown in that season on wheat or with oats, sown alone or sown on pasture land, it starts growth during the first mild days in April. It progresses rapidly with continued warm weather, and reaches full stature about the middle of June, which is maintained through July and August when native pastures are at their lowest stage. An abundance of seed is produced, whether the crop has been cut for hay or pastured, to reseed naturally a full stand the following spring. Ripening is complete by the time of the first light frosts in September. Where the stand is thin or sown in rows the plants are prostrate in growth, developing trailing habits. In a thick stand, however, the growth is upright, similar to that of red clover or alfalfa.

Korean lespedeza is generally adapted to all soils. It is known to grow well on acid soil, though it has not seemed to thrive vigorously on land that is extremely flat and poorly drained. Yields of the crop respond to the relative fertility of the soil. On moderately fertile land a growth equal to that from the first cutting of good red clover may be obtained. On poor soils there is likely to be a considerable growth every year for grazing, but only the most favorable seasons will produce there a growth tall enough to cut for hay.

Not a Competitor of Red or Sweet Clover

Korean lespedeza is not directly competitive with red clover or sweet clover. On the more productive land either of the latter varieties will make greater returns in hay or pasture and prove more beneficial to the soil.

Sweet clover, however, on land medium to low in fertility will not usually grow without expensive soil treatments. Red clover on such soils will grow only fairly well, and if the land is both poor and sour, costly treatments are usually necessary for successful production.

Whether the farmer should go to the expenses of growing red or sweet clover, or should use Korean lespedeza as a substitute, can be determined only after considering the conditions of the individual case.

Korean lespedeza can be grown to advantage on many soils where production of the clovers is difficult or impracticable. It may be sown in small grain crops, in grass-clover mixtures for temporary or permanent pasture, or on idle and waste land not now affording any profits and yearly becoming less valuable.

Method and Time of Seeding

Korean lespedeza is best sown in the spring during late March or early April. It may be sown with oats immediately after the seed grain has been covered, or

Korean lespedeza establishes itself more quickly where the ground is firm and well packed. For that reason it is more likely to succeed and make a larger growth the first season if sown on wheat rather than with oats.

The seed is not difficult to sow and may be distributed by a grass-clover seeder, by a wheelbarrow seeder, or by a grass-clover attachment on a grain drill.

Rates of Seeding

From 5 to 10 pounds of seed to the acre should be sown where a full growth is desired that season, whether the crop is seeded alone or seeded with wheat or oats. Korean lespedeza apparently is resistant to early spring freezes. Observations on the Experiment Station field at Columbia indicate that late freezing weather is more likely to injure young red clover or alfalfa than lespedeza. It is certain that lespedeza may be sown early in the spring with no great danger of losing the stand. There is, however, no special advantage in seeding extremely early, since the crop does not grow rapidly until warm weather.

Pasturing Korean Lespedeza

The growth of lespedeza starts slowly in the spring and does not progress rapidly until early summer. Grazing may begin by the middle of June and be continued through to frost in September, depending upon the size of the growth and rate of its use. In dry weather light grazing from early June onward will often give greater returns for the season than delaying the use of the pasture until July. This is especially true if the stand is very thick. Grazing when the ground is water-soaked will injure both the stand and the soil.

Korean Lespedeza in Permanent Pastures

Korean lespedeza is a valuable legume to sow in permanent pastures of blue grass, of red top, of orchard grass, or of mixed grasses. Its habits of growth and high nutritive quality makes it especially suitable for mixtures with other pasture plants. In July and August when native grass is short, the lespedeza makes its greatest growth, providing good pastureage through the dry summer months. By the middle of September its growth declines from maturity, giving way for the growth of grasses following rain in early fall.

Korean Lespedeza for Hay

Korean lespedeza is less suitable for hay than for pasturage. If this legume is sown for hay on land of sufficient fertility to grow good crops of red clover, its returns are not likely to be as satisfactory as those from red clover. Red clover will make greater yields of hay during the season. It will start earlier in the spring, and its growth is more beneficial to the soil. In other words, on productive soils where Korean clover can be expected to make consistent yields of hay, red clover is preferable for the same purpose.

CORNELI SEED COMPANY



WHOLESALE PRICE LIST

St. Louis, Mo.

Long Distance Phone LD 241

We give no warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds we sell, and will not be responsible for the crop.



PRICES ARE LOWER
TAKE ADVANTAGE OF THIS WEEK'S
LOW PRICES!
IF THE WEATHER WARMS UP, PRICES ARE
BOUND TO BE HIGHER.
REMEMBER KEYSTONE IS BETTER.

List No. 7

ALL PRICES F. O. B. ST. LOUIS

Feb. 26 1931

RED CLOVER

	10 Sacks & Over	5 to 9 Sacks	1 to 4 Sacks
Seamless Sacks Extra Sell Nitragin			
MEDIUM (DOMESTIC)			
KEYSTONE	26.00	26.25	26.50
BUSHNELL BANNER			
Horse Shoe	24.00	24.25	24.50
Choice	20.50	20.75	21.00

MAMMOTH			
KEYSTONE	26.00	26.25	26.50
BUSHNELL BANNER			

ALSIKE CLOVER

	10 Sacks & Over	5 to 9 Sacks	1 to 4 Sacks
Seamless Sacks Extra Sell Nitragin			
KEYSTONE	24.00	24.25	24.50
BUSHNELL BANNER			
Horse Shoe	22.75	23.00	23.25

SWEET CLOVER

	10 Sacks & Over	5 to 9 Sacks	1 to 4 Sacks
Seamless Sacks Extra Sell Nitragin			
WHITE BLOSSOM (Biennial)			
KEYSTONE, Scarified	9.00	9.10	9.25
BUSHNELL BANNER			
Horse Shoe Scarified	8.50	8.60	8.76
Choice Scarified	7.75	7.85	8.00
Grundy County Dwarf	9.00	9.10	9.25
UNHULLED	7.00	7.10	7.25

YELLOW BLOSSOM

	10 Sacks & Over	5 to 9 Sacks	1 to 4 Sacks
(Biennial)			
KEYSTONE	9.25	9.35	9.50
BUSHNELL BANNER			
Horse Shoe			

ALFALFA

	10 Sacks & Over	5 to 9 Sacks	1 to 4 Sacks
Seamless Sacks Extra Bushel Bags - Included			
KEYSTONE	19.50	19.75	20.00
BUSHNELL BANNER			
Kansas Grown Non-Imigated	26.00	26.25	26.50
Dakota " No. 12	25.00	25.25	25.50
Montana	19.00	19.25	19.50
Oklahoma Grown	34.00	34.25	34.50
Grimm, State Sealed			

BUNNY BRAND			
Kansas Grown	19.50	19.75	20.00
BEE HIVE	25.00	25.25	25.50
Utah Grown - 1 Bushel Sealed Bags			
Lyman's Grimm	31.00	31.25	31.60
1 Bu. Bags			

TIMOTHY

	10 Sacks & Over	5 to 9 Sacks	1 to 4 Sacks
Seamless Sacks Extra			
KEYSTONE	10.50	10.60	10.75
BUSHNELL BANNER			
Horse Shoe	10.25	10.35	10.50
Choice	9.75	9.85	10.00

RED TOP

	10 Sacks & Over	5 to 9 Sacks	1 to 4 Sacks
Seamless Sacks Extra			
KEYSTONE	25.00	25.10	25.35
BUSHNELL BANNER			
Horse Shoe	23.50	23.60	23.85
Choice	22.00	22.10	22.35

DWARF ESSEX RAPE

	10 Sacks & Over	5 to 9 Sacks	1 to 4 Sacks
Bags Included			
KEYSTONE	5.00	5.05	6.25
BUSHNELL BANNER			
Japan	15.00	15.25	15.60
Korean	31.50	31.75	32.00

SUNFLOWER

	10 Sacks & Over	5 to 9 Sacks	1 to 4 Sacks
Bags Included			
Recleaned (Seed)	4.75	4.85	5.00
Poultry	3.60	3.60	3.75

SEED GRAIN

	10 Sacks & Over	5 to 9 Sacks	1 to 4 Sacks
Bags Included			
Sell CERESAN with all seed grains CERESAN treatment pays			
RYE			
Common	.70	.72	.76
Rosen	.90	.92	.95
Abruzzi	2.00	2.05	2.10
WHEAT, Fultz (Sx Extra)	1.00	1.05	1.10
OATS			
Winter Turf	.80	.82	.90
Fulghum	.60	.62	.70
Red Rust Proof	.55	.57	.65
White	.55	.57	.65
Burt	.55	.57	.65
BARLEY, Common	.85	.87	.90

MISCELLANEOUS

	10 Sacks & Over	5 to 9 Sacks	1 to 4 Sacks
Canada Field Peas	4.25	4.35	4.50
Kaffir Corn [Seed]	1.80	1.90	2.05
Milo Maize [Seed]	1.80	1.90	2.05
Broomcorn-Dwarf	5.00	5.10	5.40
Broomcorn-Standard	5.00	5.10	5.40
Castor Beans	14.50	14.75	15.00
Hairy Vetch	9.50	9.60	10.00
Austrian Winter Peas	7.25	7.35	7.50

CANE (For Fodder)

	10 Sacks & Over	5 to 9 Sacks	1 to 4 Sacks
per 100 lbs.			
Black Amber	2.75	2.80	3.00
Orange Sourless	2.76	2.80	3.00
Orange Red	2.85	2.90	3.10
Amber [Syrtup Strain]	6.00	5.55	5.75

MILLET

	10 Sacks & Over	5 to 9 Sacks	1 to 4 Sacks
per 100 lbs.			
KEYSTONE			
BUSHNELL BANNER			
Tenn. Cult.	4.60	4.65	4.90
German (Kansas)	4.35	4.40	4.60
White Wonder			
Common	3.35	3.40	3.60
Hog	2.00	2.05	2.25

COWPEAS

	10 Sacks & Over	5 to 9 Sacks	1 to 4 Sacks
per bu.			
Bags Included			
Whip-poor-will	2.50	2.55	2.75
Clay	2.40	2.45	2.65
Black	2.75	2.80	3.00
New Eras	2.40	2.45	2.65
Mixed	2.25	2.30	2.50
Clay Mixed			

SUDAN

	10 Sacks & Over	5 to 9 Sacks	1 to 4 Sacks
per 100 lbs.			
Bags Included			
KEYSTONE	7.75	7.85	8.00
BUSHNELL BANNER			
Choice	7.50	7.60	7.75

BLUE GRASS

	10 Sacks & Over	5 to 9 Sacks	1 to 4 Sacks
per 100 lbs.			
Bags Included			
KEYSTONE	36.00	36.25	37.00
BUSHNELL BANNER			
Fancy	34.75	35.00	35.75
Canadian	30.00	30.25	31.00

LAWN AND GOLF COURSE GRASSES

	10 Sacks & Over	5 to 9 Sacks	1 to 4 Sacks
per 100 lbs.			
Bags Included			
KEYSTONE CITY LAWN	24.00	24.25	25.00
Shady Lawn Mixture	35.00	35.25	36.00
American Rye	7.00	7.10	7.50
Italian Rye Imported	10.00	10.25	11.00
English Perennial Rye	9.50	9.75	10.50
Paceys English Rye	12.00	12.25	13.00
Chewings Fescue	40.00	40.25	41.00
South German			
Creeping Bent	95.00	97.00	100.00
Poa Trivialis	45.00	47.00	50.00
[Shade Grass]			
Red Fescue	30.00	30.25	31.00
Hard Fescue			
Sheeps Fescue			
Bermuda	28.00	28.25	29.00

OTHER GRASSES

	10 Sacks & Over	5 to 9 Sacks	1 to 4 Sacks
per 100 lbs.			
Bags Included			
Orchard Grass	16.50	16.75	17.25
Pasture Grass	14.00	14.25	15.00
Meadow Fescue	12.00	12.25	13.00
Johnson Grass	13.00	13.25	14.00

SEED CORN

	25 Bags or Over	10 Bags or Over	5 Bags or Over	Less
Commercial quality Double machine cleaned with Butts and Tipps removed 2 1/2 bushel bags. Bags included All Grown in Missouri and Acclimated to the St. Louis and Southern Territory. Germination 90% to 96%.				
Reid's Yellow Dent	1.20	1.25	1.36	1.50
Gold Mine	1.20	1.25	1.35	1.50
Leaming	1.20	1.25	1.35	1.50
Silver Mine	1.20	1.25	1.35	1.50
White Dent	1.20	1.25	1.35	1.50
St. Charles Red Cob	1.30	1.35	1.45	1.60
Tenn. Red Cob	1.30	1.35	1.45	1.60

	25 Bags or Over	10 Bags or Over	5 Bags or Over	Less
Hand Selected, Hand Butted and Tipped 2 1/2 bushel bags. Bags included Especially Selected for Adaptability, Productivity and Purity of Strain				
Reid's Yellow Dent	2.20	2.25	2.35	2.50
Gold Mine	2.20	2.25	2.35	2.50
Leaming	2.20	2.25	2.35	2.50
Boone Co. White	2.20	2.25	2.35	2.50
90 Day Yellow	2.20	2.25	2.35	2.50
Silver Mine White	2.20	2.25	2.35	2.50
Hickory King	2.45	2.50	2.60	2.75

SOYBEANS

	25 Bags or Over	10 Bags or Over	5 Bags or Over	Less
per bu.				
Virginia	2.00	2.10	2.20	2.35
Wilson	2.45	2.55	2.65	2.80
Ehony	2.20	2.30	2.40	2.55
Laredo	3.30	3.40	3.50	3.65
Manchu	1.40	1.60	1.60	1.75
Illini	1.40	1.50	1.60	1.75
Mammoth Yellow	1.95	2.05	2.15	2.30
Midwest	1.60	1.70	1.80	1.95
Mixed (For Hay)	1.50	1.60	1.70	1.85

Quantities Prices Apply On Total Bags Of Your Order For All Field Seeds. These Prices Are Based On Prompt Shipment: Add 5c Per Bushel Per Month For Later Shipment.

WHITE DUTCH CLOVER

	10 Sacks & Over	5 to 9 Sacks	1 to 4 Sacks
per 100 lbs.			
Bags Extra			
Fatt Sacks			
KEYSTONE	42.00	44.00	49.00
BUSHNELL BANNER			
Horse Shoe	39.00	41.00	46.00
Choice	34.00	36.00	41.00

POP CORN and Peanuts

	10 Sacks & Over	5 to 9 Sacks	1 to 4 Sacks
per 100 lbs.			
POPCORN			
White Rice	5.50	6.00	6.25
Jap. Hull-less	8.25	6.50	8.75
PEANUTS, Fancy Jumbo	13.00	13.50	15.00

DATED - Fresh Each Year
NITRAGIN
 The Original Legume INOCULATOR
 PRICES

	10 Sacks & Over	5 to 9 Sacks	1 to 4 Sacks
Alfalfa, All Clovers			
Size Dealer Retail			
1/4 bu. \$.30 \$.40			
1/2 bu.45 .60			
1 bu.70 1.00			
5 bu. 3.35 4.75			
When ordering, always specify kind of seed			
Peas, Vetch, Beans			
Austrian Winter Peas			
Size Dealer Retail			
1/4 bu. \$.30 \$.40			
1/2 bu.45 .60			
1 bu.70 1.00			
5 bu. 3.35 4.75			
*Also called "100 lb. size"			
Soy Beans and Cow Peas			
1 bu. \$.30 \$.40			
5 bu. 1.50 2.50			
2 bu.50 .70			
10 bu. 1.75 2.50			

BIRD SEED

	5 Sacks or Over	1 to 4 Sacks	Less
per 100 lbs.			
Canary (Morocco)	6.60	6.60	7.00
Hemp	4.50	4.60	5.00
Bird Millet	2.00	2.25	3.00
Bird Rape (Sweet)	8.00	8.50	9.50
Bird Thistle	22.00	23.00	25.00
Bird Lettuce (White)	15.00	17.00	20.00
Mixed Bird Seed	7.50	8.00	9.00
Poppy or Maw	20.00	22.00	25.00
Cuttle Fish Bone [per case 25 lbs. 7.00]			30.00

ONION SETS

	5 Sacks or Over	1 to 4 Sacks	Less
2 Bushel burlap bags extra at 5c each Per Bu. at 32 pounds			
Dark Red	1.90	2.00	
Yellow	1.90	2.00	
Brown	2.00	2.10	
White	2.25	2.35	

ONION PLANTS F.O.B. St. Louis

	5 crates & over	1 to 4 crates	Less
Per crate of 8000			
Yellow Bermuda	3.75	4.00	
Crystal Wax	3.75	4.00	

SEMESAN

A General Disinfectant for Vegetable and Flower Seeds or Bulbs, and Certain Plant Diseases.

Sizes of Packages	Retail Price Per Pkg.	Dealer Price	Pkgs. Per Case
2-oz. tin	\$.50	\$ 4.00 per doz.	3 doz.
1-lb. "	2.75	22.00 " "	2 "
5-lb. "	13.00	104.00 " "	1/2 "
25-lb. pail	56.25	45.00 per pkg.	1 only
100-lb. drum	220.00	176.00 " "	1 "
300-lb. "	645.00	516.00 " "	1 "

SEMESAN JR.

A Dust Disinfectant for Seed Corn.

Sizes of Packages	Retail Price Per Pkg.	Dealer Price	Pkgs. Per Case
4-oz. tin	\$.50	\$ 4.00 per doz.	3 doz.
1-lb. "	1.75	14.00 " "	2 "
5-lb. "	8.00	64.00 " "	1/2 "
25-lb. pail	31.25	25.00 per pkg.	1 only
100-lb. drum	120.00	96.00 " "	1 "
300-lb. "	345.00	276.00 " "	1 "

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SEED
DISINFECTANTS

NEW IMPROVED SEMESAN BEL

An Instantaneous Dip Disinfectant for Seed Potatoes

Sizes of Packages	Retail Price Per Package	Dealer Price	Packages Per Case
4-oz. tin	\$.50	\$ 4.00 per doz.	3 doz.
1-lb. "	1.75	14.00 " "	2 "
5-lb. "	8.00	64.00 " "	1/2 "
25-lb. pail	31.25	25.00 per pkg.	1 only
100-lb. drum	120.00	96.00 " "	1 "
300-lb. "	345.00	276.00 " "	1 "

CERESAN

A Dust Disinfectant for Wheat, Oats, Barley, other Cereals and Cotton

Sizes of Packages	Retail Price Per Pkg.	Dealer Price	Pkgs. Per Case
8-oz. tin	\$.50	\$ 4.00 per doz.	3 doz.
1-lb. "	.75	6.00 " "	2 "
5-lb. "	3.00	24.00 " "	1/2 "
25-lb. pail	12.50	10.00 per pkg.	1 only
100-lb. drum	49.00	39.20 " "	1 "
300-lb. "	144.00	115.20 " "	1 "

RETURN POSTAGE GUARANTEED

CORNELI SEED COMPANY

Garden, Field, Grass Seeds & Onion Sets

Saint Louis, U. S. A.

Sec. 435 1/2 P. L. & R.
U. S. POSTAGE
PAID
St. Louis, Mo.
Permit 336

U. S. Dept. of Agric.

Washington, D. C.

MARKET QUOTATIONS

	To Dealer	Retail
100 lb. Sack	\$3.50	\$5.00
50 lb. "	2.00	3.00
25 lb. "	1.15	1.75
5 lb. (14 to case)	4.62	7.00
12 oz. (36 to case)	2.16	3.60

VIGORO

FERTILIZERS

Ten Bag Lots at Ton Prices	100 lbs. per ton
2-12-4 For Grain.....	2.00 37.50
Bone Meal, 1 1/4-29-0.....	2.75 44.00
Prepared Sheep Manure.....	1.75 29.50
Nitrate of Soda.....	4.00 76.00
Tobacco Dust [Broken Sacks @ 5.00]	3.50 45.00
16% Superphosphate.....	27.50
125 lb. Bags each \$2.00	

PEAT MOSS

(Imported from Germany)	per bale
Bales contain 20 bushels—Weight 135 to 150 lbs.	
25 Bales 1 to 8	
or over 10 to 24 Bales	
Fine Ground 2.75	3.00 3.25
Poultry Litter 2.75	3.00 3.25
Small bales—weight about 25 lbs.	
Fine Ground .75	.80 .85

CHARCOAL

Ten Bag Lots at Ton Prices	100 lbs. per ton
Charcoal, [For Poultry]	2.50 50.00